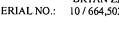
FEB 0 5 2004 TRADEMARY TITLE:

DUAL SENSOR PROCESS TEMPERATURE SWITCH HAVING A HIGH-DIAGNOSTIC ONE-OUT-OF-TWO VOTING ARCHITECTURE

INVENTOR(S): ANGELA SUMMERS AND BRYAN ZACHARY
SERIAL NO.: 10 / 664,502



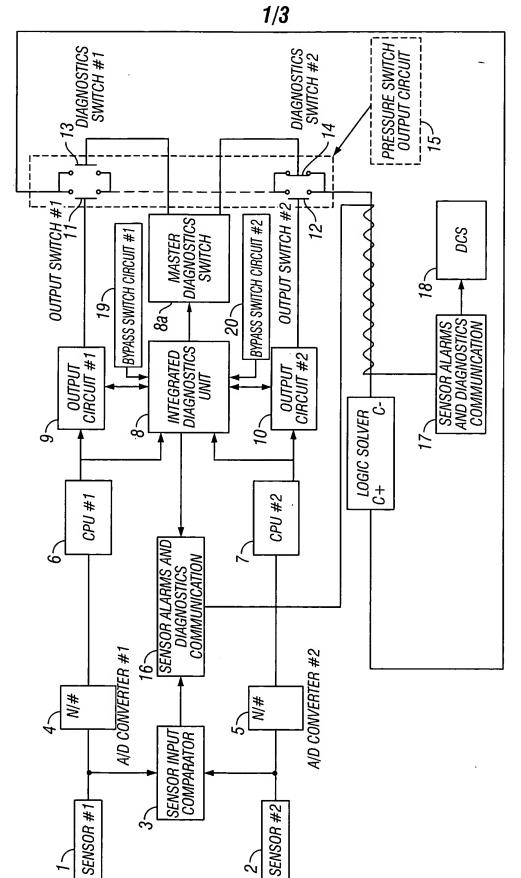


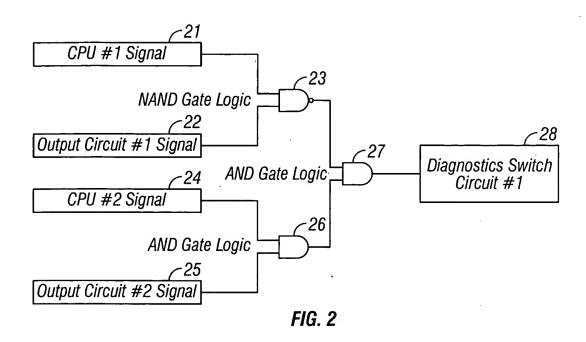
FIG.

TITLE: **DUAL SENSOR PROCESS**

TEMPERATURE SWITCH HAVING A HIGH-DIAGNOSTIC ONE-OUT-

OF-TWO VOTING ARCHITECTURE
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BRYAN ZACHARY
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Output Circuit	Diagnostics Switch Circuit #1	CPU #1 Signal	Output Circuit #1 Signal	CPU #2 Signal	Output Circuit #2 Signal
Open	Open	0	0	0	0
Open	Open	0	0	1	0
Open	Open	0	0	0	1
Open	Open	0	0	1	1
Open	Open	1	0	0	0
Open	Open	1	0	1	0
Open	Open	1	0	0	1
Closed	Closed	1	0	1	1
Ореп	Open	0	1	0	0
Open	Open	0	1	1	0
Open	Open	0	1	0	1
Closed	Closed	0	1	1	1
Open	Open	1	1	0	0
Closed	Open	1	1	1	0
Closed	Open	1	1	0	1
Closed	Open	1	1	1	1

FIG. 3

IIILE:

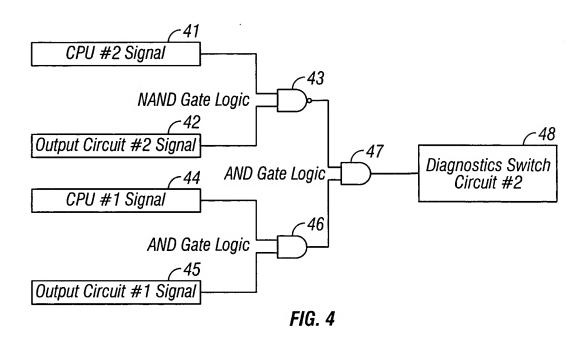
DUAL SENSOR PROCESS TEMPERATURE SWITCH HAVING A HIGH-DIAGNOSTIC ONE-OUT-

OF-TWO VOTING ARCHITECTURE INVENTOR(S): ANGELA SUMMERS AND

BRYAN ZACHARY 10 / 664,502

SERIAL NO.:

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Pressure Switch Output Circuit	Diagnostics Switch Circuit #2	CPU #2 Signal	Output Circuit #2 Signal	CPU #1 Signal	Output Circuit #1 Signal
Open	Open	0	0	0	0
Ореп	Open	0	0	1	0
Open	Open	0	0	0	1
Open	Open	0	0	1	1
Open	Open	1	0	0	0
Open	Open	1	0	1	0
Open	Open	1	0	0	1
Closed	Closed	1	0	1	1
Open	Open	0	1	0	0
Open	Open	0	1	1	0
Open	Open	0	1	0	1
Closed	Closed	0	1	1	1
Open	Ореп	1	1	0	0
Closed	Open	1	1	1	0
Closed	Open	1	1	0	1
Closed	Open	1	1	1	1